

FIGURE 1

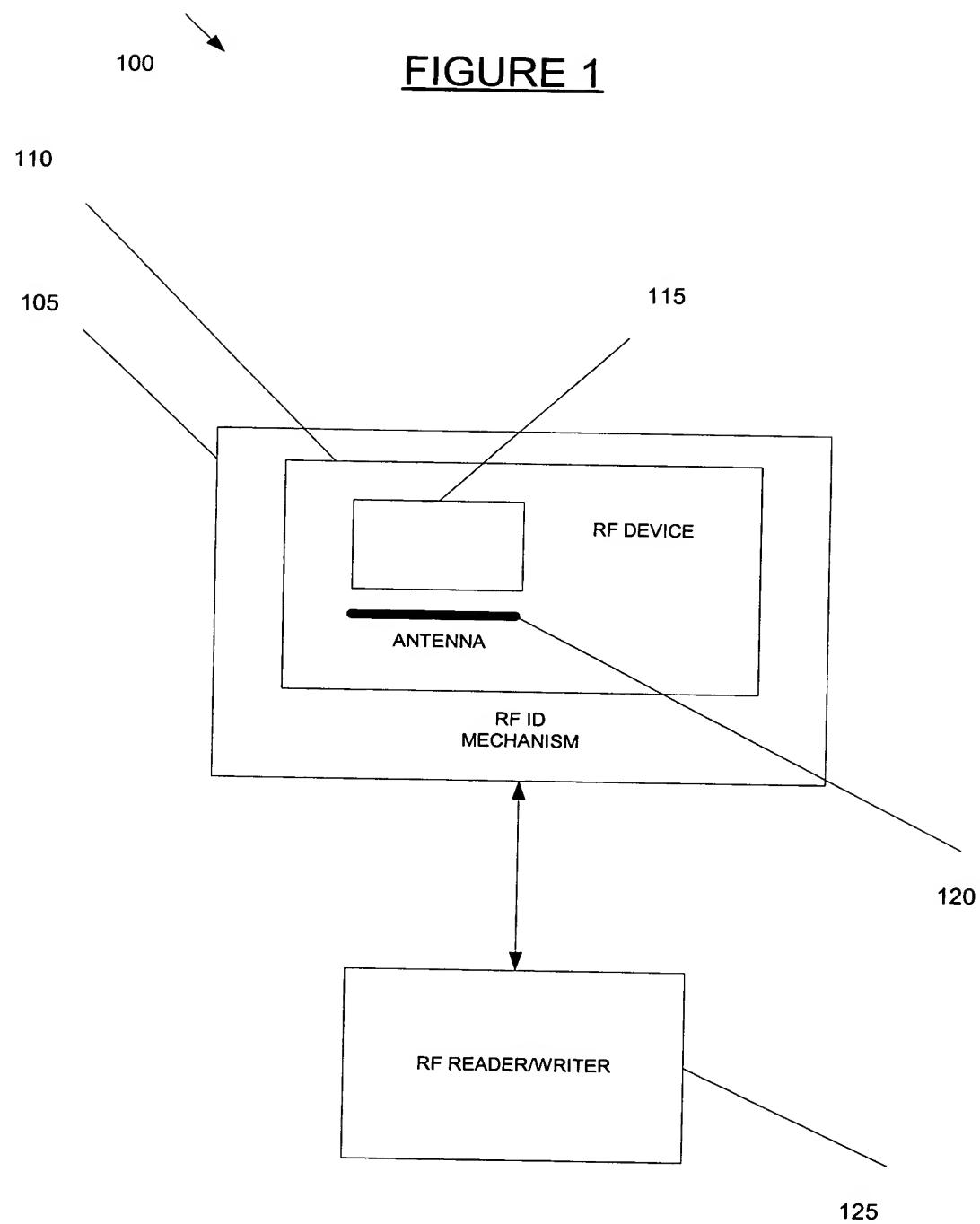


FIGURE 2

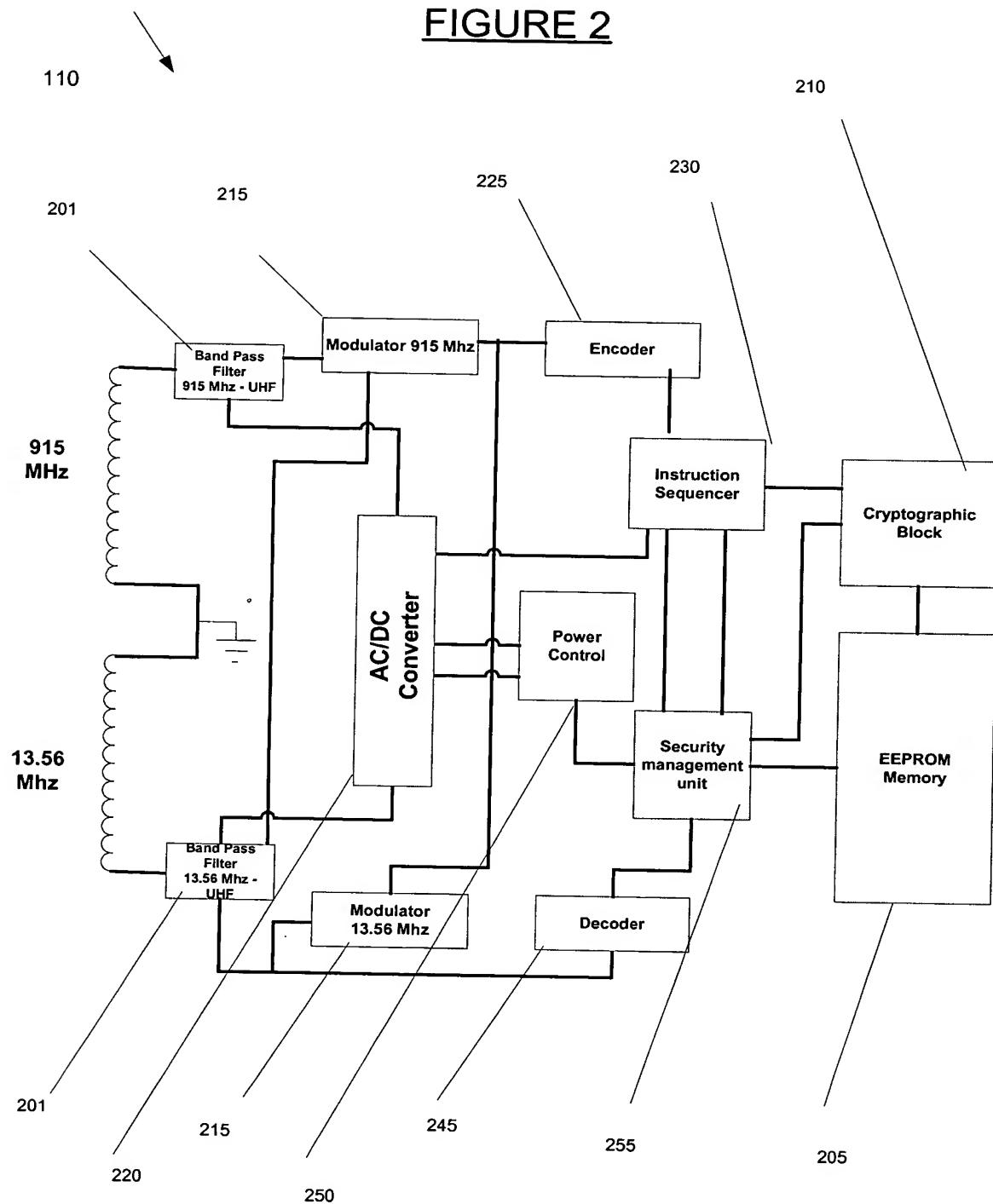


FIGURE 3A

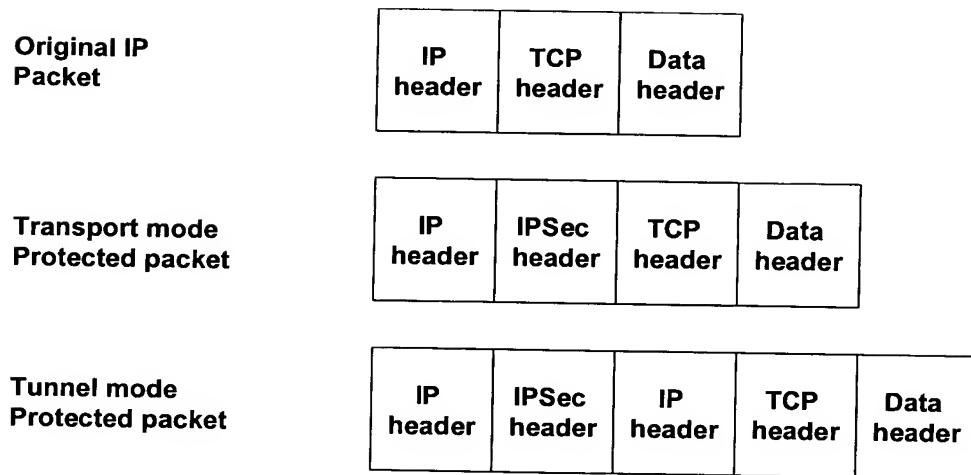
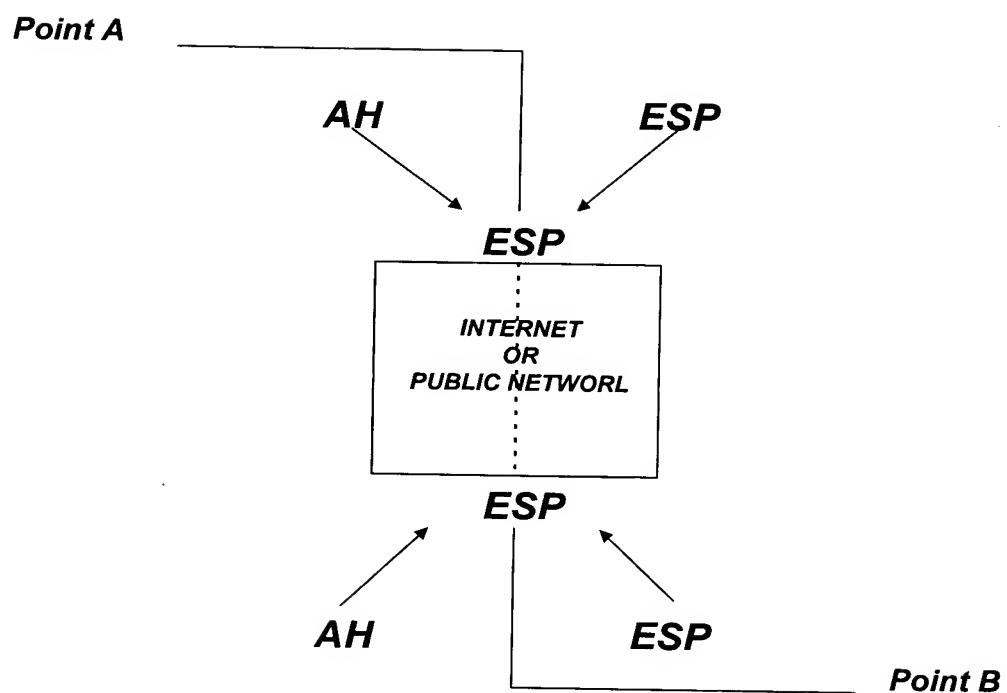


FIGURE 3B



400 ↘

FIGURE 4

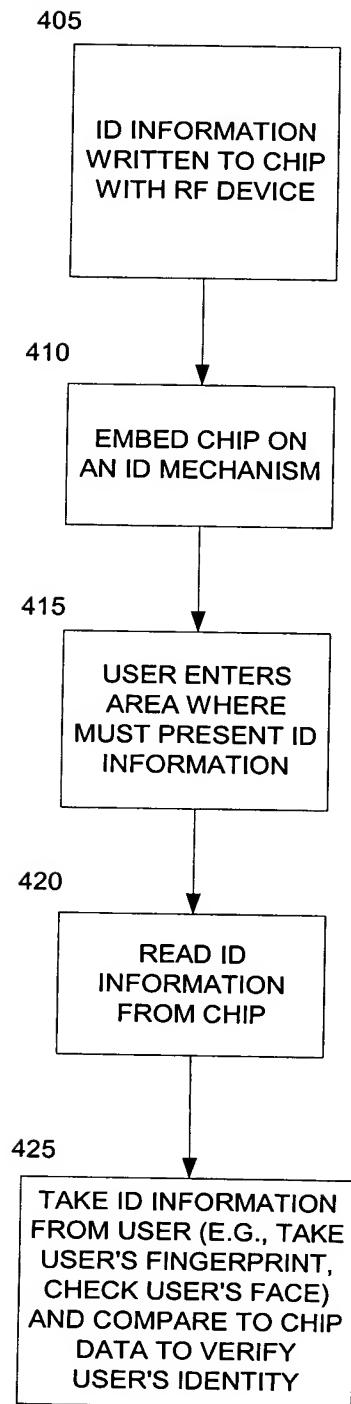


FIGURE 5

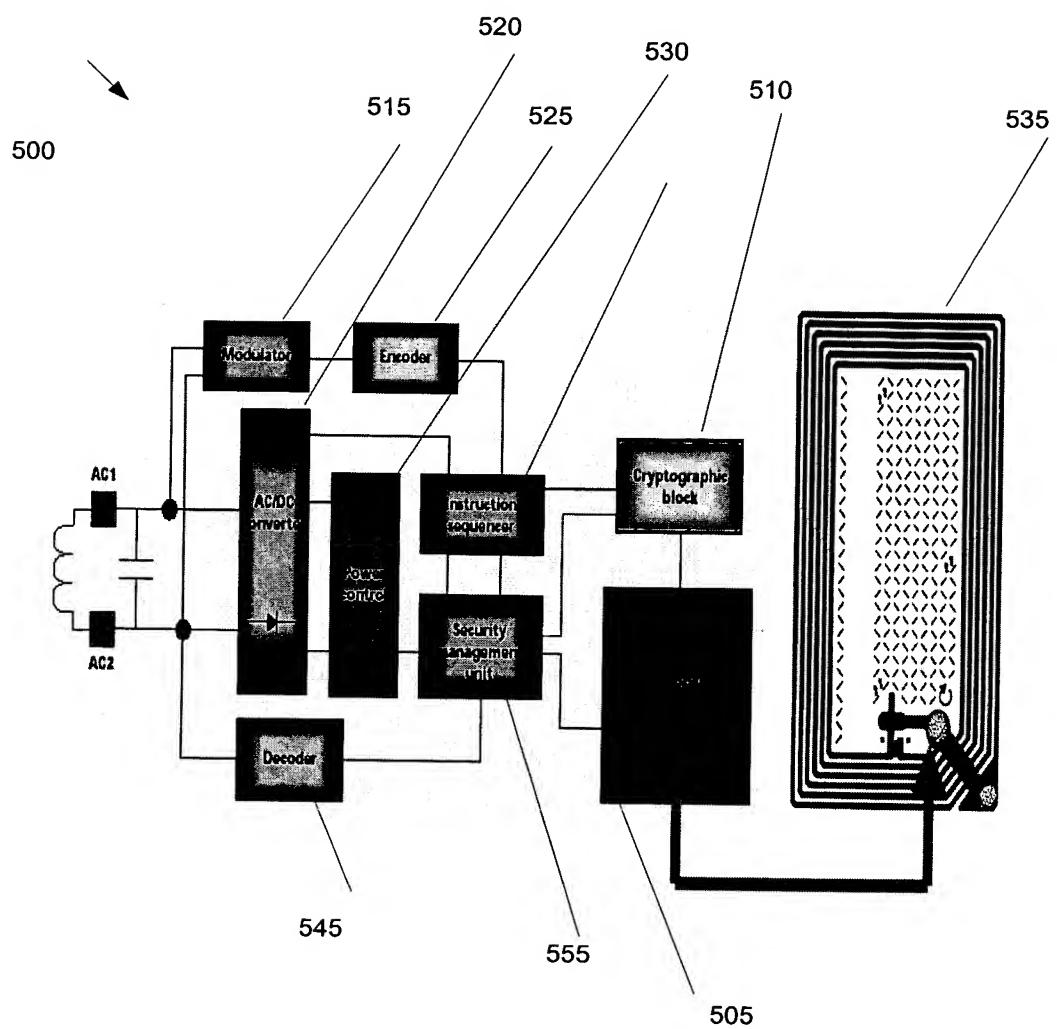


FIGURE 6

600

605

COLLECT INDIVIDUAL ID INFORMATION
(E.G., FINGERPRINT, PICTURE) AND/OR
VEHICLE ID INFORMATION (E.G.,
REGISTERED VEHICLE, LICENSE
NUMBER, ETC.) AND SAVE TO RF ID
DEVICE

610

EMBED RF DEVICE
ON A REGISTERED
ITEM (E.G.,
LICENSE PLATE)

615

AUTHORITY USES
RF READER TO
READ RF DEVICE'S
CHIP DATA

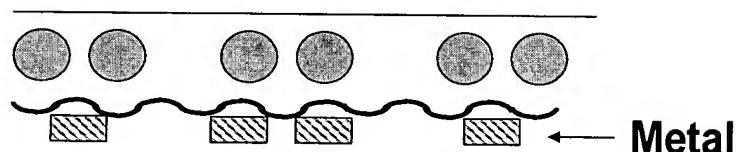
620

TAKE AND COMPARE
INDIVIDUAL ID
INFORMATION AND/OR
VEHICLE ID INFORMATION
TO VERIFY INDIVIDUAL'S
IDENTITY AND WHETHER
INDIVIDUAL HAS
AUTHORITY TO POSSESS
REGISTERED ITEM

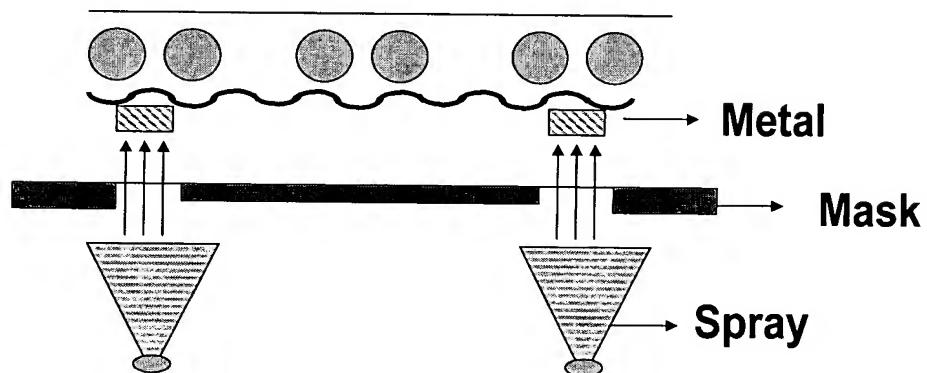
FIGURE 7

700

De-metalized



Selective metalizing with mask



800

FIGURE 8

805

RF ANTENNAS
PRODUCED BY
DEMETALIZED OR
SELECTIVE
METALIZING
PROCESS

810

APPLY SILVER OR
COPPER CONTENT
INKS

815

ADHESIVE LAYER
APPLIED TO
ANTENNA

FIGURE 9

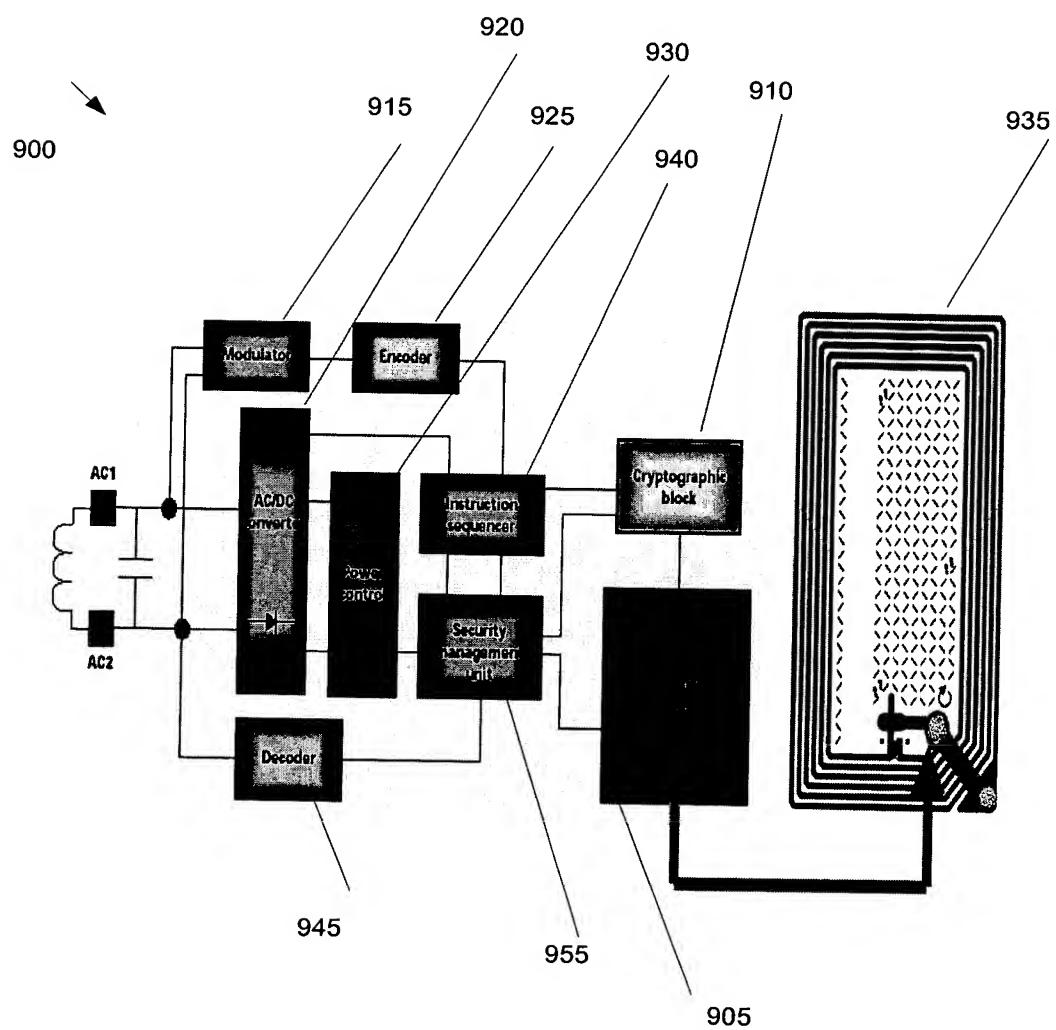
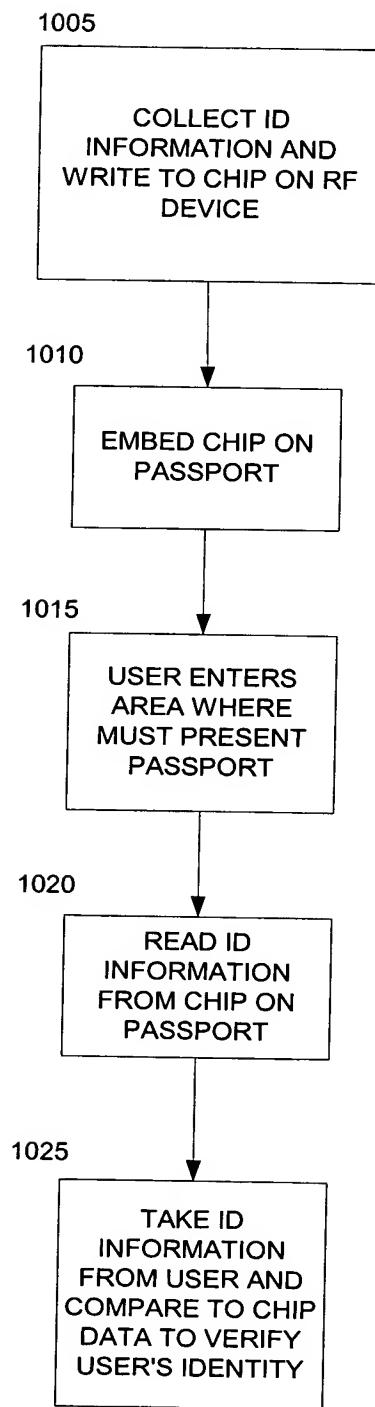


FIGURE 10



1100

FIGURE 11

1105

PASSPORT INLAY
PRODUCED ON
PVC SUBSTRATE
AND WIRE CHIP
EMBEDDED INTO
PASSPORT INLAY

1110

PASSPORT INLAY
EMBEDDED INTO
PASSPORT

1115

PASSPORT
PRINTED

1120

PASSPORT ID INFO
MATCHED TO
PERSON WHO
OWNS PASSPORT

1125

PASSPORT INITIALIZED

FIGURE 12

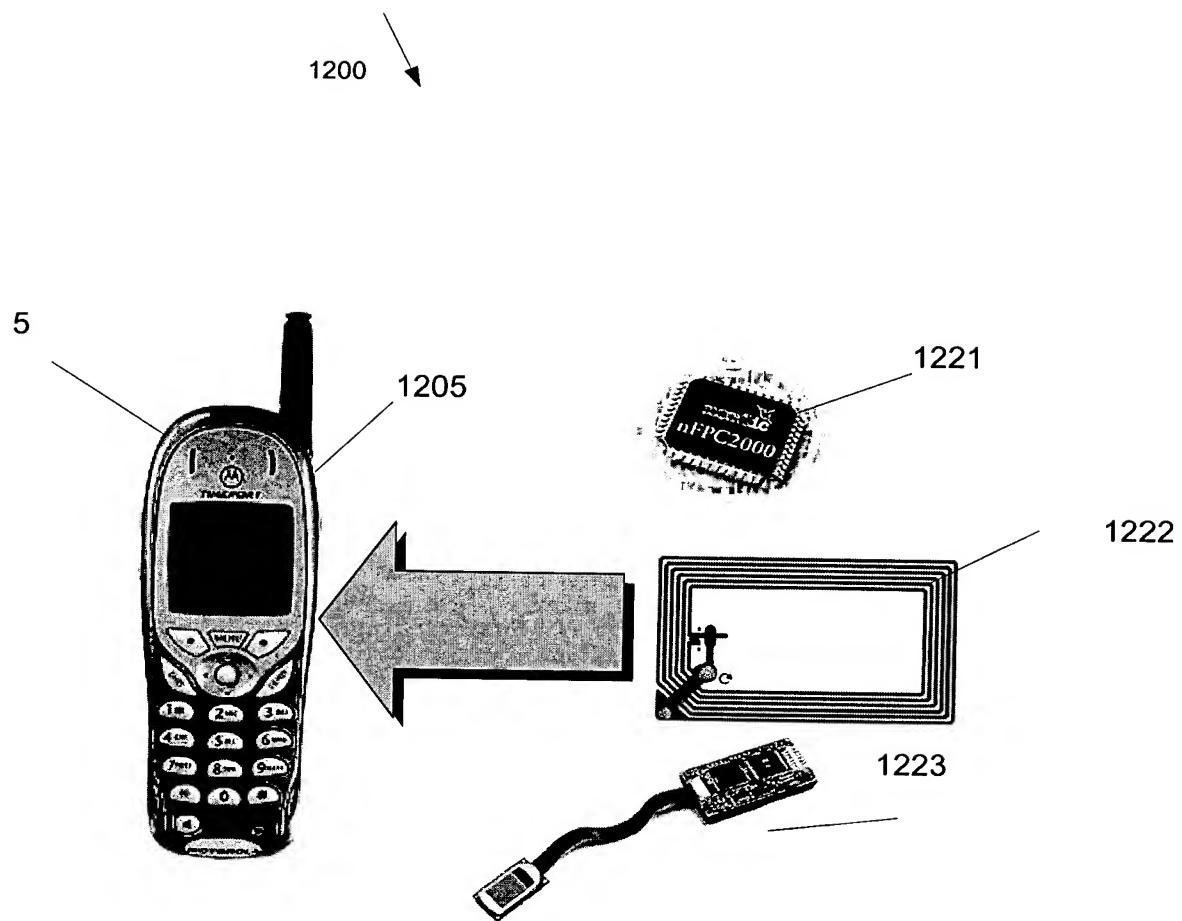


FIGURE 13

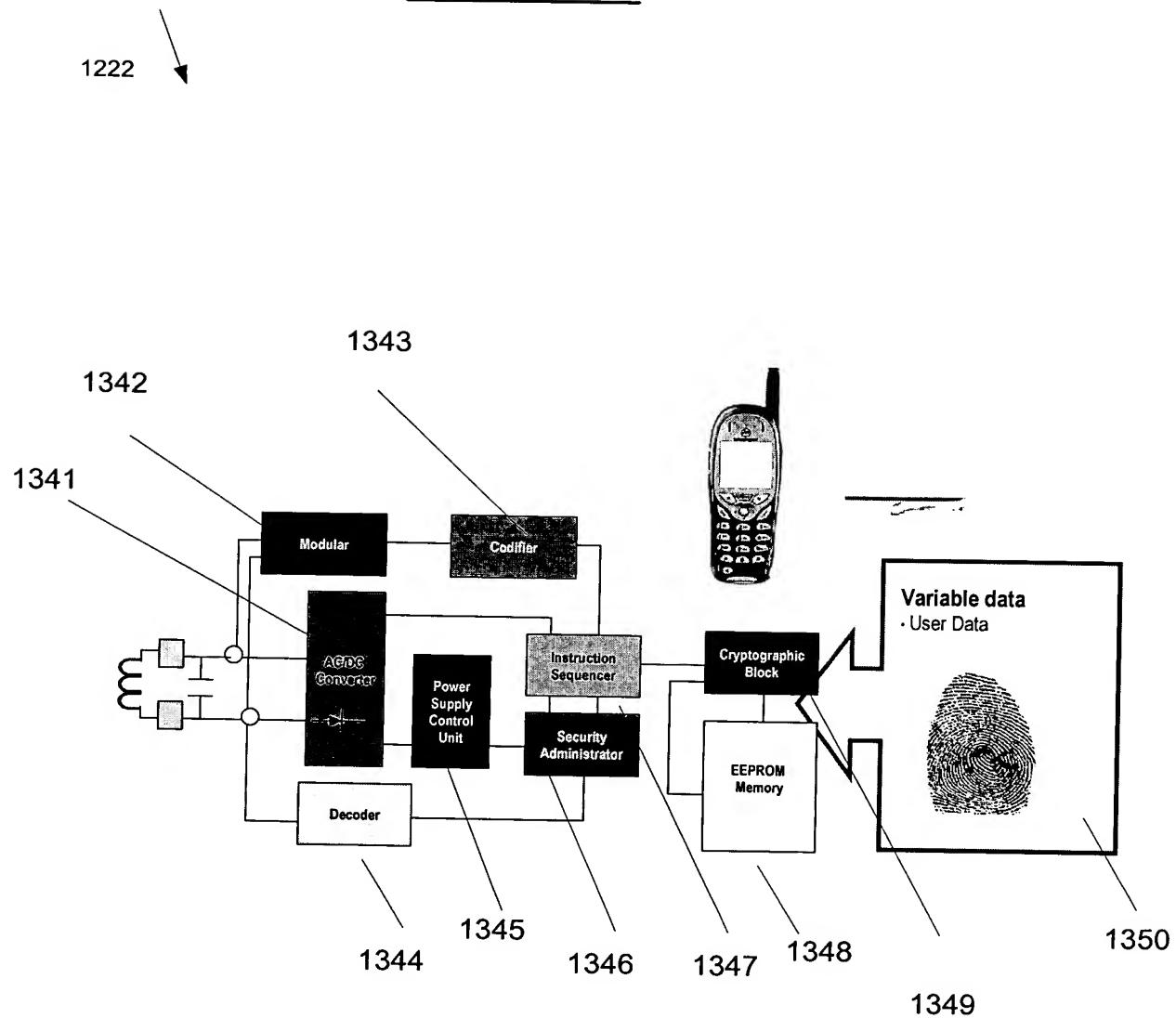


FIGURE 14

1400

1405

USER WITH RF CELL PHONE APPROACHES RF READER. RF READER IDENTIFIES USER AND OBTAINS RELEVANT TRANSACTION INFORMATION.

1410

USER PROMPTED TO ENTER AUTHENTICATION INFORMATION (FINGERPRINT).

1415

IF USER SELECTS TO COMPLETE TRANSACTION, USER ENTERS AUTHENTICATION INFORMATION.

1420

RF READER/WRITER AND RF CELL PHONE USED TO VERIFY INFORMATION (E.G., FINGERPRINT).

FIGURE 15

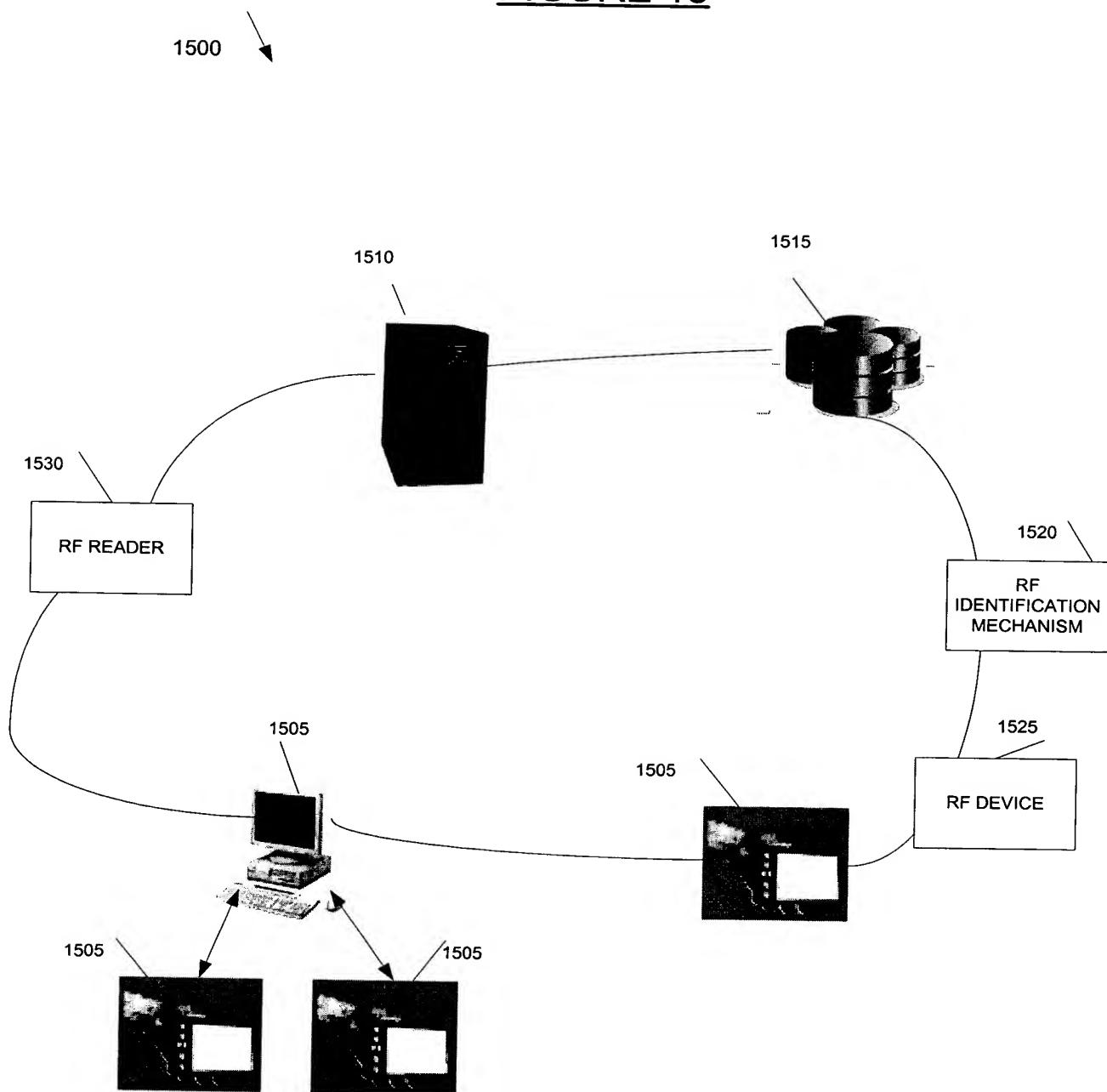


FIGURE 16

1600

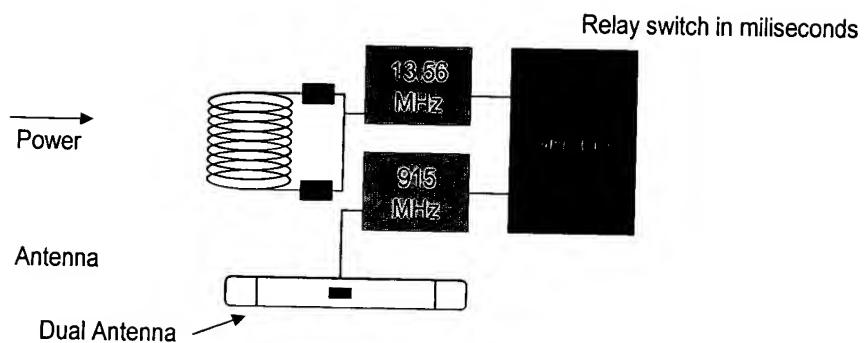


FIGURE 17

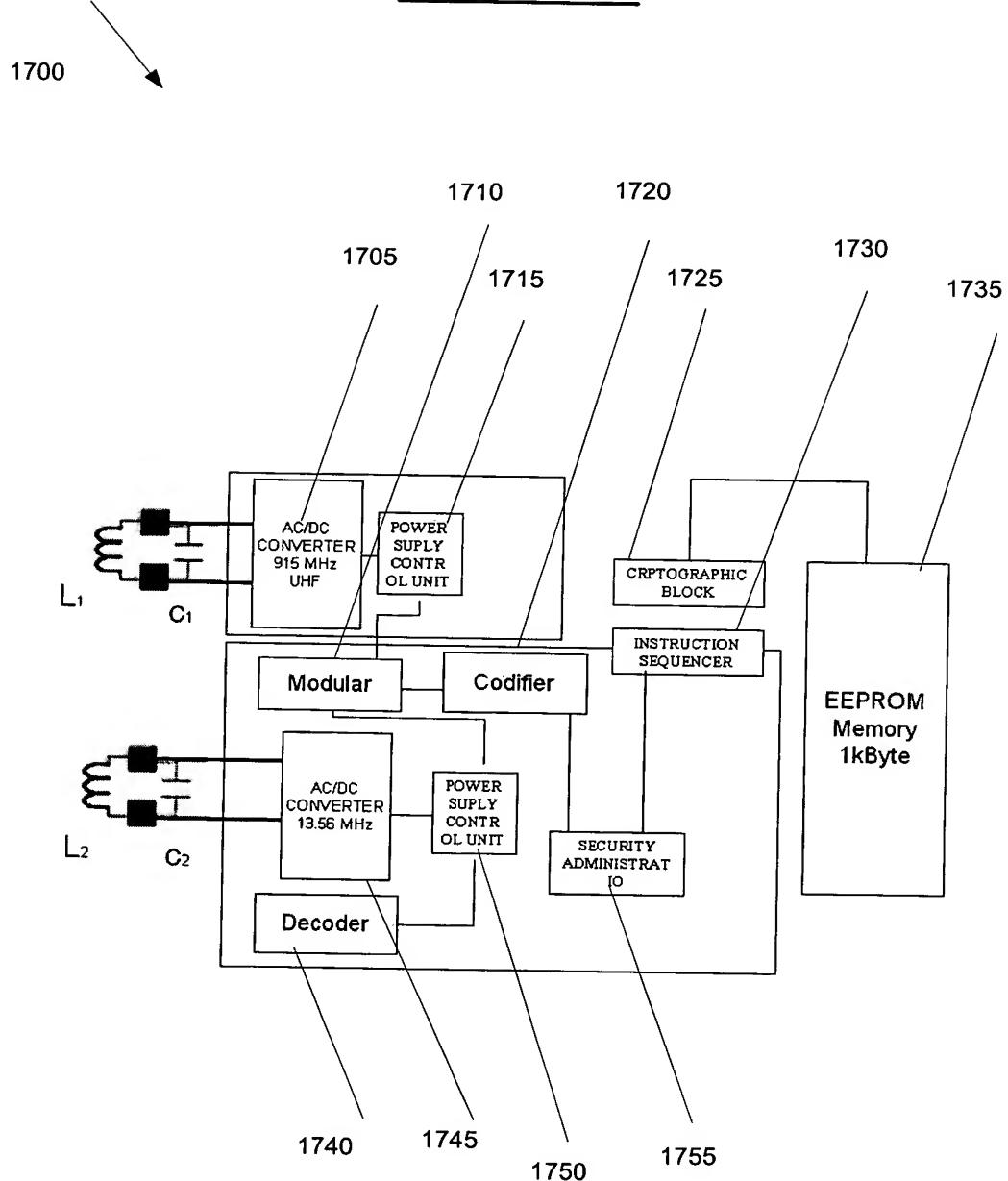


FIGURE 18

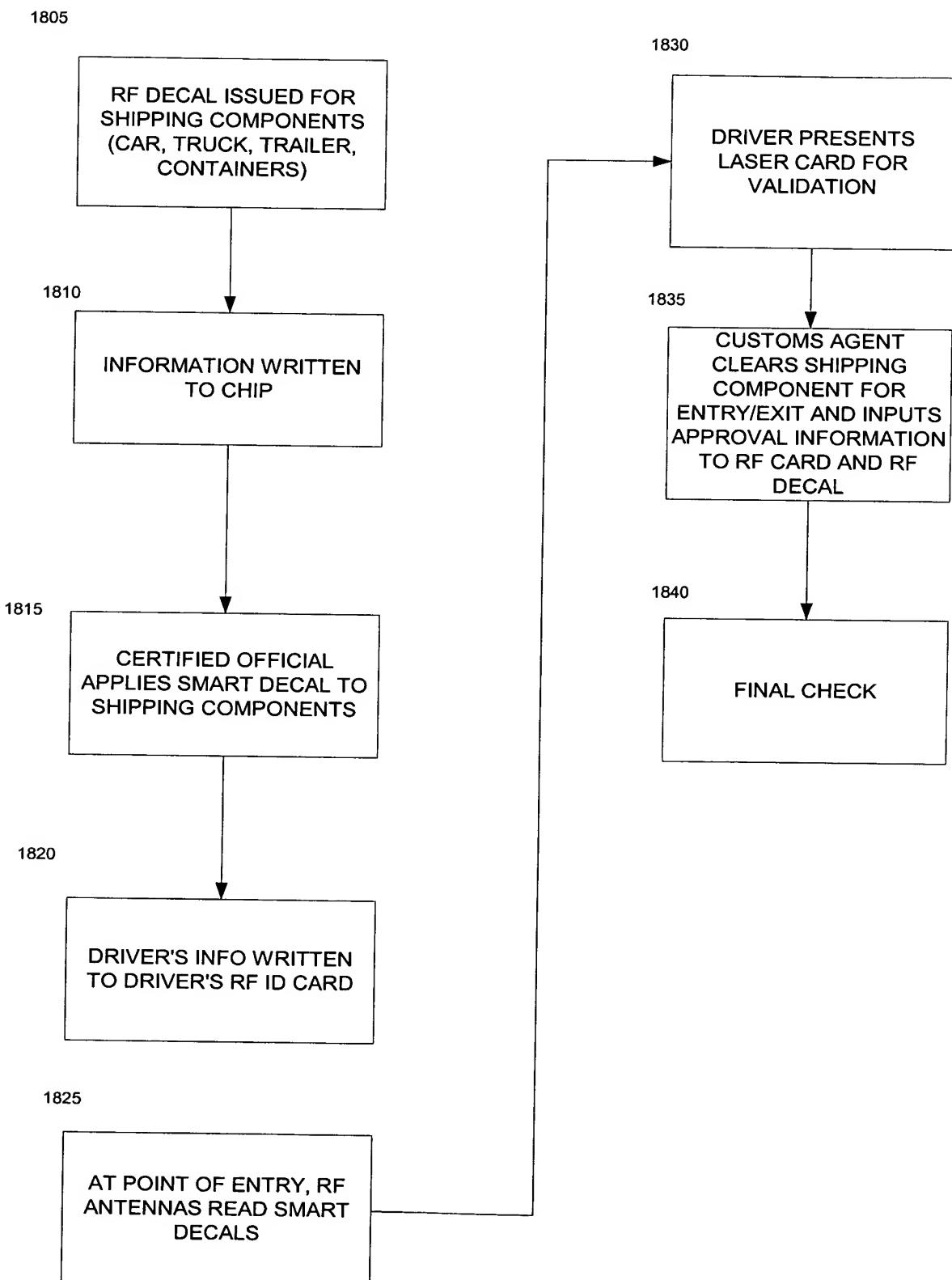


FIGURE 19

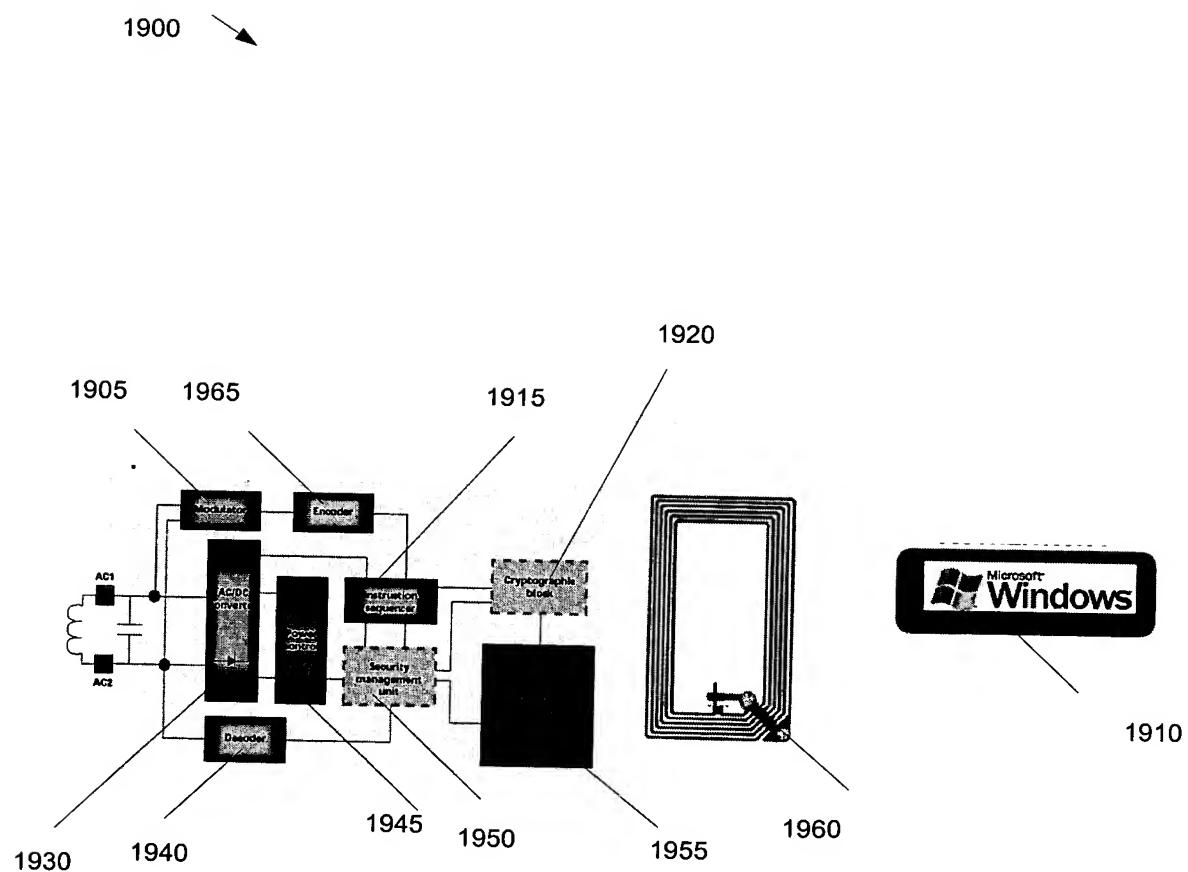
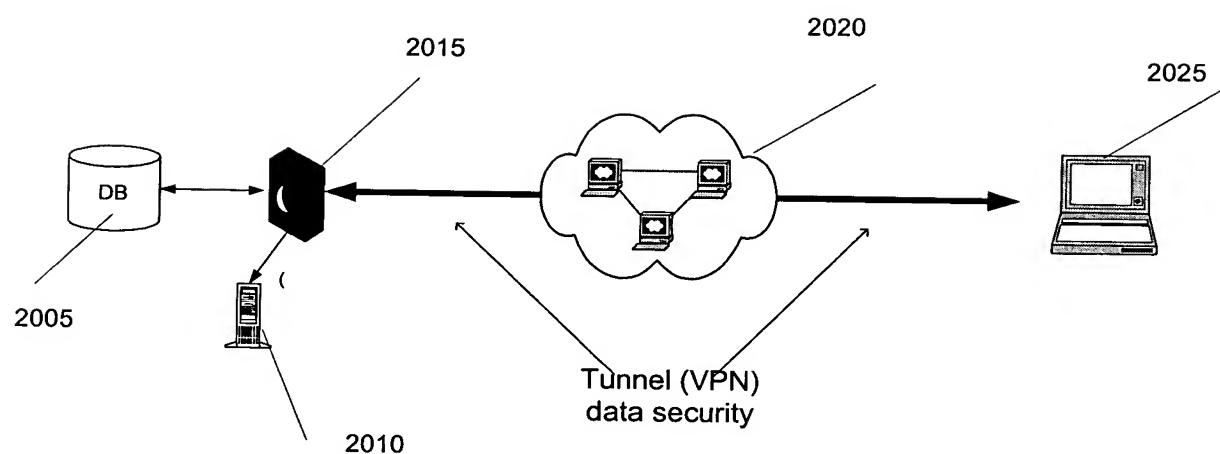


FIGURE 20



2100

FIGURE 21

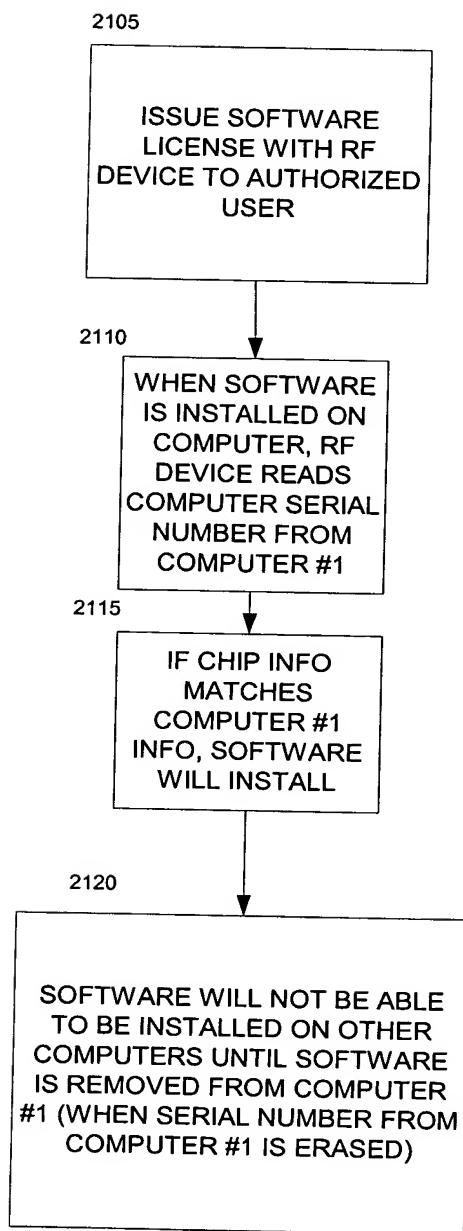


FIGURE 22

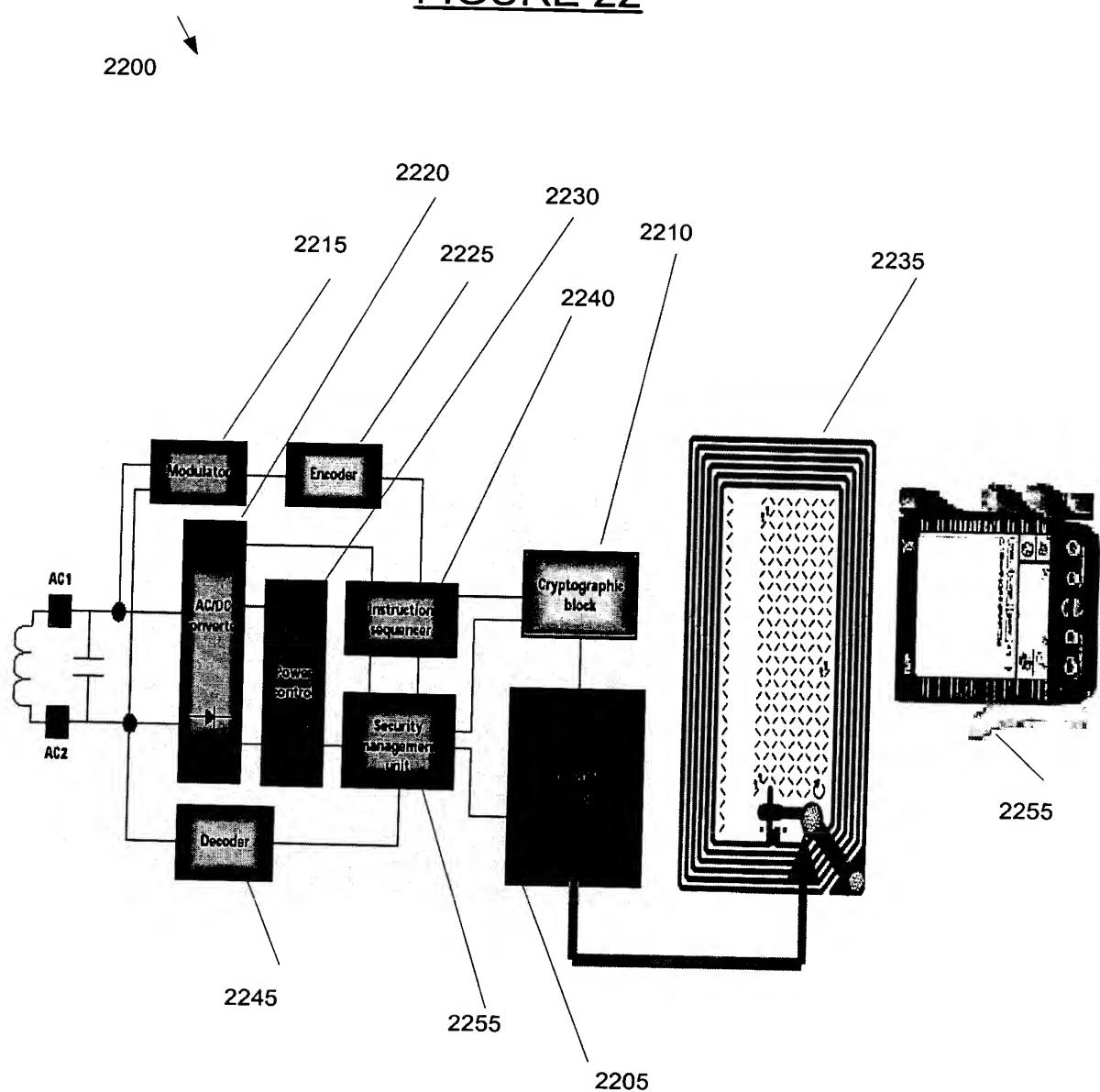


FIGURE 23

